

**Green Rd (SR 1127)**

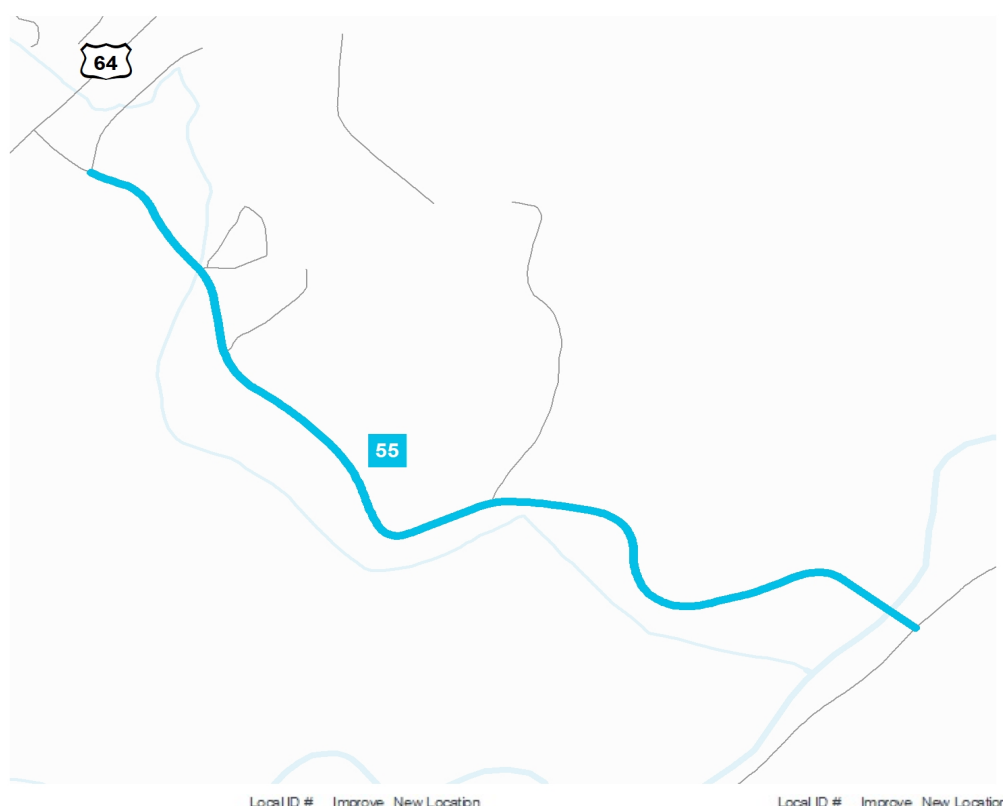
US 64 to Hanna Ford Rd

Local ID: **TRAN0055-H**Purpose: **Facility Deficiencies**Improvement: **Improve Existing****Identified Need**

Green Rd (SR 1127) has no paved shoulder and lane widths of 8 feet. The crossing of the French Broad River has been closed due to flooding on multiple occasions.

**Recommendation**

Improve alignment, lane widths, and shoulders to current design standards, including 5-foot paved shoulders. Improve Resiliency to flooding



	Local ID #	Improve	New Location		Local ID #	Improve	New Location
Congestion / Mobility	#	—	—	Interchange	⊙	□	■
Access Management / Operations	#	—	—	Bridge / Overpass	⊙	○	●
Modernization	#	—	—	Intersection	⊙	∠	▲
Other	#	—	—				

**Proposal At A Glance**

Highway Class	Modernization
Facility Type	Minor Thoroughfare
Typical Section	02 B
Section Options	-
Estimated Cost	-
Length (miles)	0.96
Existing ROW (feet)	60-80
Safety Risk Score	-

**Proposal Data: 2017 Base Year 2045 Future Year**

Improved Route	Existing	Without Proposal	With Proposal
Facility Type	Minor Thoroughfare	Minor Thoroughfare	Minor Thoroughfare
Travel Lanes	2	2	2
Volume (vpd)	590	1200	-
Capacity (vpd)	10200	10200	10200

**Capacity Data:** Year

Facility will be Approaching Capacity (>80%)	-
Facility will be Over Capacity (>=100%)	-

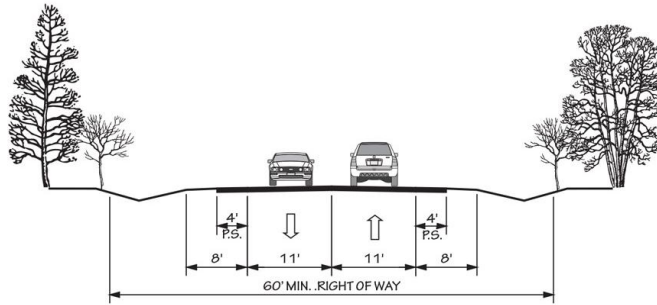


**Typical Section Options:**

None

# TYPICAL SECTION No. 2B

## 2 LANES UNDIVIDED WITH PAVED SHOULDERS



POSTED SPEED 25-45 MPH

Linkage to Other Plans

This facility is classified as a local road on the Federal Functional Classification System.

Multi-Modal Considerations

Transylvania County Transit, under the name "Transylvania in Motion" operates a fixed route as well as demand response system within the county. The deviated-fixed route does not reach this facility; however, it is within the demand-response area.

The Transylvania County Bicycle Plan (2019) recommends a bike lane or paved shoulder along this facility.

Goals & Objectives Survey

The citizens of Transylvania County responded to a public survey in early 2019 with a great deal of support for new greenways, sidewalks, and multi-use paths. When asked for their top three most important project types, these categories ranked first, third and fifth, out of a dozen choices. Rounding out the top five were maintenance and safety projects at second and fourth respectfully.

Natural & Human Environmental Context

Based on planning level environmental assessment using available GIS data, the proposed project intersects the French Broad River local watershed, the French Broad River, and Limekiln Branch. According to LHI Guild Analysis, this project intersects multiple guilds of the Mesic Hardwood, Mixed Forest, Woodland, and Barrens variety. These are predominantly A-ranked resources with the balance being B-ranked.